

REMARKS

Reconsideration and allowance are respectfully requested.

Attached hereto and under separate cover is a certified copy of the priority application GB 0227745.7.

Attached hereto are corrected drawings for Figures 1 and 2. Figure 1 incorporates the change to reference character "P" with "8". The specification has been amended to change the reference plane "AB" to the plane "3-3" and Figure 2 has been amended to include the line associated with the view along lines 3-3.

The specification has been amended to incorporate the proper headings under rule 37 CFR 1.97 and to correct typographical errors.

Claim 10 has been cancelled.

The present invention, as explicitly claimed in currently amended claims 1 and 2, differs from that disclosed in KILDEA (US 6,474,946) in that the flow deflectors, or ribs 38, of KILDEA do not extend into the cooling gallery, or plenum 47. The ribs 38 are located in the core section and define an increased number of elliptical air inlets 39 as well as one portion of the internal wall of the inlet plenum. The cooling air inlets are fed with cooling air from the inlet plenum 47 wherein the ribs 38 are provided within the core section of the blade to define the air inlets (Column 2 lines 55-58). The ribs 38 decrease the flow area in the inlet plenum 47 below the blade attachment (Column 3 lines 15-17) and therefore can not possibly extend into the plenum 47, or cooling gallery, as claimed in currently amended claims 1 and 2.

Regarding the rejection to claims 1-4, 6 and 7 for being anticipated by RADONS (GB 2,225,063), the flow deflector, or insert 9, of RADONS "deflects" the cooling air stream after it has entered the air inlet aperture 8. The insert 9 is provided to direct or convey the cooling air stream to the cooling air ducts. It is therefore believed that the insert 9 defines a conduit through which the coolant flows and hence directs, not deflects the air stream. Additionally, the present

invention discloses a flow deflector being associated with a coolant passage opening whereas RADONS insert is provided to direct coolant flow to a plurality of air ducts 12, 20 and 21. The insert can not possibly be associated with one or any of the air ducts. The purpose for the insert of RADONS is more closely related to that of the coolant gallery 4 of the present invention with the exception that the insert 9 of RADONS is of progressively decreasing area.

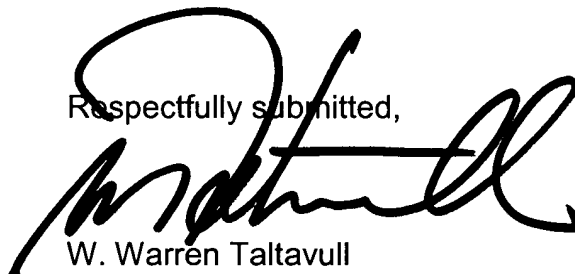
In order to further differentiate the present invention from the cited prior art, currently amended claim 2 now includes the feature that the flow deflector is located adjacent the coolant passage opening.

The rejections based on Section 103 in view of HSING (US 4,626,169) are believed to be satisfied by the arguments presented above.

Entry of this amendment is solicited and is believed appropriate and is believed to distinguish the invention from the cited references.

For the foregoing reasons, reconsideration and allowance are believed in order and are solicited.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'W. Warren Taltavull', is written over the typed name and registration number.

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